

In the Specification

Please amend the paragraph starting at page 11, line 26, and beginning with "In accordance with one embodiment, . . ." as follows:

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In accordance with one embodiment, ~~modulator 74 modulator 72~~ modulates the phase, frequency or other suitable non-intensity characteristic of the carrier signal with the data signal 74. As previously described, this generates a non-intensity optical information signal 24 with poor susceptibility to cross talk due to XGM in long-haul and other transmission systems using bi-directional DRA or other distributed amplification. Details of the carrier wave, frequency modulation of the carrier wave and phase modulation of the carrier wave are illustrated in FIGURES 3A-C.

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